

1954-433
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
)
Don J. DIAMOND)
)
Serial No. To Be Assigned) Examiner: Padmashri Ponnaluri
)
Filed: August 20, 2003) Group Art Unit: 1639
)
For: CTL EPITOPE ANALOGS)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

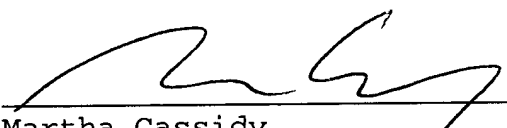
Dear Sir:

Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant submits herewith Form PTO-1449 listing publications that the Office may wish to consider in examination of the subject application.

Pursuant to 1.98(d), copies of the references are not included because they were previously submitted to the Office in prior application Serial No. 09/692,325, filed October 20, 2000.

Respectfully submitted,

By


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Enclosure(s):
PTO-1449 Form (Five Sheets)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Complete if Known</i>	
				Application Number	To Be Assigned
				Filing Date	Herewith
				First Named Inventor	Don J. DIAMOND
				Group Art Unit	1639
				Examiner Name	Padmashri Ponnaluri
Sheet	2	of	5	Attorney Docket Number	1954-433
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
	AG	ALEXANDER et al., "Development of High Potency Universal DR-Restricted Helper Epitopes by Modification of High Affinity DR-Blocking Peptides," Immunity 1:751-761, December 1994.			
	AH	BORYSIEWICZ et al., "Human Cytomegalovirus-Specific Cytotoxic T Cells," J. Exp. Med 168:919-931, September 1988.			
	AI	BROUWENSTIJN et al., "Definition of Unique and Shared T-Cell Defined Tumor Antigens in Human Renal Cell Carcinoma," Journal of Immunotherapy 21(6):427-434, 1998.			
	AJ	CARRUTH et al., "An Algorithm for Evaluating Human Cytotoxic t Lymphocyte Responses to Candidate AIDS Vaccines," Aids Research and Human Retroviruses 15(11):1021-1034, 1999.			
	AK	CHUJOH et al., "The role of anchor residues in the binding of peptides to HLA-A*1101 molecules," Tissue Antigens 52:501-509, 1998.			
	AL	D'AMARO et al., "A Computer Program for Predicting Possible Cytotoxic T Lymphocyte Epitopes Based on HLA Class I Peptide-Binding Motifs," Human Immunology 43:13-18, 1995.			
	AM	DEL VAL et al., "Efficient Processing of an Antigenic Sequence for Presentation by MHC Class I Molecules Depends on Its Neighboring Residues in the Protein," Cell 66:1145-1153, September 20, 1991.			
	AN	DEL VAL et al., "Protection Against Lethal Cytomegalovirus Infection by a Recombinant Vaccine Containing a Single Nonameric T-Cell Epitope," Journal of Virology 65(7):3641-3646, July 1991.			
	AO	DIAMOND et al., "Development of a Candidate HLA A*0201 Restricted Peptide-Based Vaccine Against Human Cytomegalovirus Infection," Blood 90(5):1751-1767, September 1, 1997.			
	AP	DRIJFHOUT et al., "Detailed Motifs for peptide Binding to HLA-A*0201 Derived from Large Random Sets of Peptides Using a Cellular Binding Assay," Human Immunology 43:1-12, 1995.			
	AQ	ELLIS et al., "Chapter 29, "New Technologies for Making Vaccines", pp. 568-575.			
	AR	FALK et al., "Allele-specific motifs revealed by sequencing of self-peptides eluted from MHC molecules," Nature 351:290-296, May 23, 1991.			
Examiner Signature				Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

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	AS	FREMONT et al., "Crystal Structures of Two Viral Peptides in Complex with Murine MHC Class I H-2K ^b ," Science 257:919-927, August 14, 1992.			
	AT	GÖNCZÖL et al., "Preclinical evaluation of an ALVAC (canarypox)-human cytomegalovirus glycoprotein B vaccine candidate," Vaccine 13(12):1080-1085, 1995.			
	AU	GREENBERG et al., "Development of a Treatment Regimen for Human Cytomegalovirus (CMV) Infection in Bone Marrow Transplantation Recipients by Adoptive Transfer of Donor-Derived CMV-Specific T Cell Clones Expanded <i>in Vitro</i> ," Annals of the New York Academy of Sciences (Antigen and Clone-Specific Immunoregulation) 636:184-195, 1991.			
	AV	GUNDLACH et al., "Specificity and Degeneracy of Minor Histocompatibility Antigen-Specific MHC-Restricted CTL," J. Immunol. 156:3645-3651, 1996.			
	AW	HEMMER et al., "Cutting Edge: Predictable TCR Antigen Recognition Based on Peptide Scans Leads to the Identification of Agonist Ligands with No Sequence Homology," J. Immunology 160:3631-3636, 1998.			
	AX	KAWASHIMA et al., "The Multi-epitope Approach for Immunotherapy for Cancer: Identification of Several CTL Epitopes from Various Tumor-Associated Antigens Expressed on Solid Epithelial Tumors," Human Immunology 59:1-14, 1998.			
	AY	KHATTAB et al., "Three T-Cell Epitopes Within the C-Terminal 265 Amino Acids of the Matrix Protein pp65 of Human Cytomegalovirus Recognized by Human Lymphocytes," J. Med. Virol. 52:68-76, 1997.			
	AZ	LAROSA et al., "Development of <i>In Vitro</i> Stimulation (IVS) Protocol to Measure CMV Specific CTL Activity Using HLA-Restricted Specific CtL Epitopes," Blood 92(10 -suppl. 1):518a, 1998 (Abstract 2129).			
	BA	LEGGATT et al., "The Importance of Pairwise Interactions Between Peptide Residues in the Delineation of TCR Specificity," J. Immunology 161:4728-4735, 1998.			
	BB	LIPFORD et al., "Peptide engineering allows cytotoxic T-cell vaccination against human papilloma virus tumour antigen, E6," Immunology 84:298-303, 1995.			
	BC	MADDEN et al., "The Antigenic Identity of Peptide-MHC Complexes: A Comparison of the Conformations of Five Viral Peptides Presented by HLA-A2," Cell 75:693-708, November 19, 1993.			
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	BD	MCLAUGHLIN-TAYLOR et al., "Identification of the Major Late Human Cytomegalovirus Matrix Protein pp65 as a Target Antigen for CD8 ⁺ Virus-Specific Cytotoxic T Lymphocytes," J. Med. Virol. 43:103-110, 1994.			
	BE	NIJMAN et al., "Identification of peptide sequences that potentially trigger HLA-A2.1-restricted cytotoxic T lymphocytes," Eur. J. Immunol. 23:1215-1219, 1993.			
	BF	ONO et al., "Alterations in TCR-MHC Contacts Subsequent to Cross-Recognition of Class I MHC and Singly Substituted Peptide Variants," J. Immunol. 161:5454-5463 (1998).			
	BG	OSEROFF et al., "Pools of lipidated HTL-CTL constructs prime for multiple HBV and HCV CTL epitope responses," Vaccine 16(8):823-833, 1998.			
	BH	PANDE et al., "Human Cytomegalovirus Strain Towne pp65 Gene: Nucleotide Sequence and Expression in <i>Escherichia coli</i> ," Virology 182:220-228, 1991.			
	BI	PARKHURST et al., "Improved Induction of Melanoma-Reactive CTL with Peptides from the Melanoma Antigen gp100 Modified at HLA-A*0201-Binding Residues," J. Immunol. 157:2539-2548, 1996.			
	BJ	RAMMENSEE et al., "MHC ligands and peptide motifs: first listing," Immunogenetics 41:178-228, 1995.			
	BK	RAMMENSEE et al., "Peptides Naturally Presented by MHC Class I Molecules," Annu. Rev. Immunol. 11:213-44, 1993.			
	BL	RASMUSSEN, "Immune Response to Human Cytomegalovirus Infection," Current Topics in Microbiology and Immunology 154:222-254, 1990.			
	BM	SCHULZ et al., "Peptide-induced antiviral protection by cytotoxic T cells," Proc. Natl. Acad. Sci. USA 88:991-993, February 1991.			
	BN	SETTE et al., "Peptide Binding to the Most Frequent HLA-A Class I Alleles Measured by Quantitative Molecular Binding Assays," Molecular Immunol. 31(11):813-822, 1994.			
	BO	SETTE et al., "The Relationship Between Class I Binding Affinity and Immunogenicity of Potential Cytotoxic T Cell Epitopes," J. Immunol. 153:5586-5592, 1994.			
	BP	VALMORI et al., "Diversity of the Fine Specificity Displayed by HLA-A*0201-Restricted CTL Specific for the Immunodominant Melan-A/MART-1 Antigenic Peptide," J. Immunol. 161:6956-6962, 1998.			
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	BQ	VIERBOOM et al., "Peptide Vaccination with an Anchor-Replaced CTL Epitope Protects Against Human Papillomavirus Type 16-Induced Tumors Expressing the Wild-Type Epitope," J. Immunotherapy 21(6):399-408, 1998.			
	BR	WENTWORTH et al., "In Vitro Induction of Primary, Antigen-Specific CTL From Human Peripheral Blood Mononuclear Cells Stimulated with Synthetic Peptides," Molecular Immunology 32(9):603-612, 1995.			
	BS	WILLS et al., "The Human Cytotoxic T-Lymphocyte (CTL) Response to Cytomegalovirus is Dominated by Structural Protein pp65: Frequency, Specificity, and T-Cell Receptor Usage of pp65-Specific CTL," J. of Virol. 70(11):7569-7579, Nov. 1996.			
	BT	WILSON et al., "Immunogenicity. I. Use of peptide Libraries to identify Epitopes that Activate Clonotypic CD4 ⁺ T Cells and induce T Cell Responses to Native peptide Ligands," J. Immunol. 163:6424-6434, 1999.			
	BU	ZEH III et al., "Flow-Cytometric Determination of Peptide-Class I Complex Formation Identification of p53 Peptides That Bind to HLA-A2," Human Immunology 39:79-86, 1994.			
	BV	HEMMER et al., "The Use of Soluble Synthetic Peptide Combinatorial Libraries to Determine Antigen Recognition of T Cells," J. Peptide Res., 52:338-345, 1998.			
	BW	HIEMSTRA et al., "Definition of Natural T Cell Antigens With Mimicry Epitopes Obtained From Dedicated Synthetic Peptide Libraries ¹ ," J. Immunol., 161:4078-4082, 1998.			
	BX	BLAKE et al., "Use of Combinatorial Peptide Libraries to Construct Functional Mimics of Tumor Epitopes Recognized By MHC Class...", J. Exp. Med., 184:121-130, 1996.			
	BY	PINILLA et al., "Rapid Identification of High Affinity Peptide Ligands Using Positional Scanning...", BioTechniques, 13(6):901-905, 1992.			
	BZ	SANDBERG et al., "Recognition of the Major Histocompatibility Complex...", J. Exp. Med., 189 (6):883-893, 1999.			
	CA	SOARES et al., "Differential Activation of T Cells by Natural Antigen Peptide Analogues...", The Journal of Immun., 160:4768-4775, 1998.			
	CB	UDAKA et al., "Decrypting the Structure of Major Histocompatibility Complex...", J. Exp. Med., 181:2097-2108, 1995.			
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